



PAT MCCRORY
Governor

DONALD R. VAN DER VAART
Secretary

MICHAEL E. SCOTT
Director

August 18, 2016

Transmittal via email

Flora D'Souza
Shield Engineering, Inc.
4301 Taggart Creek Road
Charlotte, NC 28208

Re: Request for Remedial Activities - Task Orders 318RA-6 through 318RA-11
McAdenville Dump
McAdenville Road
McAdenville, Gaston County
ID # NONCD0000318

Dear Ms. D'Souza:

Please submit a task work plan and cost estimate for remedial activities that will mitigate risks identified at the above referenced site. Conduct these activities in accordance with State Contract No. N15003i.

Task Order 318RA-6: Planning and Preparation Work Plan

Hold a meeting with the Division of Waste Management, Pre-Regulatory Unit (Unit) project manager to evaluate remedial options for mitigation of risks to human health and the environment identified in the site remedial investigation summary report. The purpose of this meeting will be used to develop a draft remedial action plan to meet remediation goals established for the site.

Following the meeting, submit a work plan divided into sections for activities to be included in the draft remedial action plan (draft RAP). For each section, identify the activity with itemized cost estimates that includes personnel and materials involved. Each subsection activity will be authorized, completed, and invoiced as a separate task order.

Task Order 318RA-7: Draft Remedial Action Plan (RAP)

The **DRAFT** RAP will include:

1. The RI-Summary Report incorporated as the executive summary for the draft RAP.
2. When complete waste removal is being considered, provide a cost comparison with leaving the waste in place. If there are other remedial options such as alternative cover materials, provide a cost comparison and long term stability.

3. A brief generalized summary of the intended remedial action in non-technical language to the extent practical.
4. A summary of the draft RAP that outlines how cleanup activities will be accomplished. The summary will explain individual tasks that may include, but is not limited to:
 - installation of erosion and sediment control measures
 - permits
 - clearing and grubbing the waste disposal area
 - removal or relocation of surface waste
 - excavations for the removal and/or relocation of buried waste (hotspots)
 - asbestos management
 - site security
 - slope stabilization and erosion control
 - grading the waste disposal area for positive stormwater runoff
 - installation of a passive vent system
 - installation of demarcation liner and/or soil stability measures
 - installation of structural fill, topsoil, and/or amended soil
 - establishment of vegetative cover
 - site inspections
 - removal of erosion and sediment control measures
 - monitoring
 - land use restrictions and plat notice

If requested, technical specifications are to be provided under separate cover.

Task Order 318RA-8: Borrow Materials

Identify the most economical source of cover soil for the Site. If needed, a cost analysis may determine that soil amendment is an option for a borrow source location.

- Soil sampling frequency will be determined by the location of the source area. A quarry is generally considered to be pristine while structural fill from urban development is not.
- Collect GPS coordinates at sampling points for reference. Report coordinates in decimal degrees to the seventh order using the North American Datum of 1983 (NAD83) format. These coordinates will be tabulated and included as an appendix.
- Submit samples to a North Carolina-certified laboratory and analyze for the following parameters by the most current U.S. EPA Contract Laboratory Program Target Compound List: volatile organic compounds by SW-846 method 8260, 1,4-dioxane by Method 8260SIM, semi-volatile organic compounds by SW-846 method 8270, 14 metals by SW-846 method 6020, and mercury by method 7471. Please note that any alternate method should be the U.S. EPA Method having the lowest detection limit and meets the Site's soil remediation goals.
- Submit a letter report that summarizes this activity with text, tables, and figures, as needed.

Task Order 318RA-9: Permits

Obtain all permits identified in the draft RAP needed to implement activities. Permits may include a temporary driveway permit erosion and sediment control permit, wetland permit, etcetera.

Task Order 318RA-10: Bid Specs, Subcontractor Selection

Solicit four potential North Carolina subcontractors to implement the RAP. Submit bid specifications and engineer design to each subcontractor, and hold a pre-bid on-site meeting. Develop a matrix of received bids for comparison and meet with the Unit project manager for review and selection.

Task Order 318RA-11: Final RAP

At the end of the public comment period substantive responses and any remaining edits will be incorporated into the final RAP document. Implementation of remedial activities included in the RAP will begin after the final RAP document is approved by the Unit.

Please submit the work plan and cost estimates by August 31, 2016. A task authorization to begin work will be issued based on the approved proposal. Do not proceed with tasks prior to receiving each authorization. Please contact me at thomas.slusser@ncdenr.gov or 919-707-8331 if you have any questions or concerns.

Best regards,

A handwritten signature in cursive script that reads "Thomas Slusser".

Thomas Slusser, L.G., C.E.E.
Pre-Regulatory Landfill Unit
Division of Waste Management